CLAIMS

What is claimed is:

1. An apparatus for displaying time comprising:

a memory for storing a day sequence including time for the beginning

5   and ending of twilight and sunrise and sunset for each calendar day of the year for

various coordinate positions in a memory;

a receiver for receiving a current coordinate position in latitude and

longitude, a current calendar day, and a current time;

a register operatively connected to said memory and said receiver for

10 registering a current coordinate position in latitude and longitude, a current calendar

day, and a current time; and

a display operatively connected to said register and said memory for

presenting the current time on an analog clock face with pie-shaped sections for

twilight.

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2. An apparatus for displaying time as set forth in claim 1 wherein said

display further includes pie-shaped sections for day and night respectively.

3. An apparatus for displaying time as set forth in claim 1 wherein said

20 display is a twelve hour analog clock.

4. An apparatus for displaying time as set forth in claim 1 wherein said

display is a twenty four hour analog clock.

5. An apparatus for displaying time as set forth in claim 1 wherein said receiver is a global positioning receiver.

6. An apparatus for displaying time as set forth in claim 1 wherein said

5 receiver is a manual input device.

7. A method for displaying time comprising:

storing a day sequence including times for the beginning and ending of twilight and sunrise and sunset for each calendar day of the year for various

10 coordinate positions in a memory;

receiving a current coordinate position in latitude and longitude, a current calendar day, and a current time;

registering a current coordinate position in latitude and longitude, a current calendar day, and a current time;

15 retrieving a stored day sequence from the memory corresponding to the registered current coordinate position and current calendar day; and

presenting the current time on a circular clock face with pie-shaped sections for twilight.

20 8. A method for displaying time as set forth in claim 1 wherein presenting the current time further includes pie-shaped sections for day and night respectively.

9.   A method for displaying time as set forth in claim 1 further including repositioning the pie-shaped sections at predetermined times.

10.   A method for displaying time as set forth in claim 3 further including
5   repositioning the pie-shaped sections continuously.

11.   A method for displaying time as set forth in claim 3 wherein presenting the time on a circular clock face further includes a twelve hour clock.

10   12.   A method for displaying time as set forth in claim 3 wherein presenting the time on a circular clock face further includes a twenty-four hour clock.

13.   A method for displaying time as set forth in claim 3 wherein the predetermined times are noon and midnight respectively.
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14.   A method for displaying time as set forth in claim 3 wherein the predetermined time is midnight.

15.   A method for displaying time as set forth in claim 3 wherein
20   repositioning the pie shape sections further includes presenting pie-shaped sections for twilight and night and day corresponding to the successive twelve hours.

16.   A method for displaying time as set forth in claim 3 wherein repositioning the pie-shaped sections further includes presenting pie-shaped sections for twilight and night and day corresponding to the successive twenty-four hours.

5   17.   A method for displaying time as set forth in claim 1 wherein registering a current coordinate position in latitude and longitude, a corresponding current calendar day, and a current time is further defined as receiving a global positioning signal to determine the current calendar day, the current time, and the current coordinate position.

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18.   A method for displaying time as set forth in claim 11 further including updating the time by receiving a global positioning signal at periodic intervals.

19.   A method for displaying time as set forth in claim 1 wherein

15   registering a current coordinate position in latitude and longitude, a current date and a current time is further defined as manually inputting the coordinate position in latitude and longitude, the current calendar date and the current time.

20.   A method for displaying time as set forth in claim 1 wherein

20   registering a current coordinate position in latitude and longitude, a current calendar day and a current corresponding time is further defined as manually inputting the coordinate position in latitude and longitude and receiving the corresponding calendar date and corresponding time from the atomic clock.

21.   A method for displaying time as set forth in claim 1 further including displaying the current calendar date approximate the clock face.

22.   A method for displaying time as set forth in claim 1 further including
5   displaying the current time zone approximate the clock face.

23.   A method for displaying time as set forth in claim 1 further including displaying the current coordinate position approximate the clock face.

10   24.   A method for displaying time as set forth in claim 1 further including displaying the time for the sunrise and sunset approximate the clock face.

25.   A method for displaying time as set forth in claim 1 further including displaying the time for twilight approximate the clock face.

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26.   A method for displaying time as set forth in claim 1 further including displaying the time digitally approximate the clock face.